

**CR 102 RULE-MAKING ORDER (RCW 34.05.320)**

Department of Labor and Industries

WISHA Services Division

CR-102 Filing Date: June 27, 2003

Hearing Date: August 26, 2003 and August 28, 2003

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**Attachment (a)**

(Purpose Statement)

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**New Sections**

WAC 296-831-100	Cranes, Derricks and Other Lifting Equipment Scope
WAC 296-831-200	Bridgestyle Cranes Introduction
WAC 296-831-210	Design and Installation Requirements for Bridgestyle Cranes
WAC 296-831-21005	Make sure equipment meets the appropriate design and construction requirements of this rule
WAC 296-831-21010	Use rail clamps and wind indicators
WAC 296-831-21015	Have rated load markings on your cranes
WAC 296-831-21020	Maintain proper clearances
WAC 296-831-21025	Provide safe access to bridgestyle cranes
WAC 296-831-21030	Provide stops for all bridgestyle cranes
WAC 296-831-21035	Provide bumpers and rail sweeps for top-running bridge cranes
WAC 296-831-21040	Provide adequate guards on cranes
WAC 296-831-21045	Make sure electrical equipment is safe
WAC 296-831-21050	Use proper controllers
WAC 296-831-21055	Provide safe switches
WAC 296-831-21060	Have a warning device on the crane
WAC 296-831-21065	Provide fire extinguishers for bridgestyle cranes
WAC 296-831-21070	Store personal and work materials properly on bridgestyle cranes
WAC 296-831-220	Hoisting Equipment for Bridgestyle Cranes
WAC 296-831-22005	Use and maintain sheaves on bridgestyle cranes properly
WAC 296-831-22010	Follow these requirements when using hoisting ropes on bridgestyle cranes
WAC 296-831-22015	Use reeving accessories on bridgestyle cranes correctly
WAC 296-831-22020	Use hooks on bridgestyle cranes correctly
WAC 296-831-230	Inspections, Maintenance, and Testing of Bridgestyle Cranes
WAC 296-831-23005	Perform initial inspections on bridgestyle cranes
WAC 296-831-23010	Perform frequent inspections on bridgestyle cranes
WAC 296-831-23015	Perform periodic inspections on bridgestyle cranes
WAC 296-831-23020	Inspect wire rope on bridgestyle cranes regularly
WAC 296-831-23025	Replace wire rope on bridgestyle cranes as required
WAC 296-831-23030	Maintain and store wire rope for bridgestyle cranes safely
WAC 296-831-23035	Replace chain as required.
WAC 296-831-23040	Establish and follow safe maintenance and repair procedures for bridgestyle cranes

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WAC 296-831-23045	Lubricate parts safely
WAC 296-831-23050	Repair or replace hooks on bridgestyle cranes as required
WAC 296-831-23055	Perform operational tests on bridgestyle cranes
WAC 296-831-240	Operating bridgestyle cranes
WAC 296-831-24005	Allow bridgestyle cranes to be operated only by specific people
WAC 296-831-24010	Attach the load to bridgestyle cranes correctly
WAC 296-831-24015	Operate bridgestyle cranes safely
WAC 296-831-24020	Perform planned engineered lifts with bridgestyle cranes correctly
WAC 296-831-300	Mobile Cranes Introduction
WAC 296-831-310	Design and Installation Requirements for Mobile Cranes
WAC 296-831-31005	Make sure equipment meets appropriate design and construction requirements of this rule
WAC 296-831-31010	Have rated capacity charts available
WAC 296-831-31015	Maintain booms in a safe operating condition
WAC 296-832-31020	Provide two-blocking protection on mobile cranes
WAC 296-831-31025	Provide fire extinguishers on mobile cranes
WAC 296-831-31030	Store personal and work materials properly on mobile cranes
WAC 296-831-320	Hoisting Equipment for Mobile Cranes
WAC 296-831-32005	Use and maintain sheaves on mobile cranes properly
WAC 296-831-32010	Follow these requirements when using hoisting ropes on mobile cranes
WAC 296-831-32015	Use reeving accessories on mobile cranes correctly
WAC 296-831-32020	Use hooks on mobile cranes correctly
WAC 296-831-330	Inspections, Maintenance and Testing for Mobile Cranes
WAC 296-831-33005	Perform initial inspections on mobile cranes
WAC 296-831-33010	Perform frequent inspections on mobile cranes
WAC 296-831-33015	Perform periodic inspections on mobile cranes
WAC 296-831-33020	Inspect wire rope for mobile cranes regularly
WAC 296-831-33025	Replace wire rope on mobile cranes as required
WAC 296-831-33030	Maintain and store wire rope for mobile cranes safely
WAC 296-831-33035	Refuel mobile cranes properly
WAC 296-831-33040	Establish and follow safe maintenance procedures for mobile cranes
WAC 296-831-33045	Repair or replace hooks on mobile cranes as required
WAC 296-831-33050	Perform testing on mobile cranes
WAC 296-831-340	Operating Mobile Cranes
WAC 296-831-34005	Allow mobile cranes to be operated only by specific people
WAC 296-831-34010	Make sure mobile crane operators pass examinations and evaluations

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WAC 296-831-34015	Attach the load correctly on mobile cranes
WAC 296-831-34020	Operate mobile cranes safely
WAC 296-831-34025	Move mobile cranes correctly
WAC 296-831-400	Tower, Portal and Pedestal Cranes Introduction
WAC 296-831-410	Design and Installation Requirements for Tower, Portal and Pedestal cranes
WAC 296-831-41005	Follow manufacturer's recommendations when installing and erecting tower, portal and pedestal cranes.
WAC 296-831-41010	Make sure tower, portal and pedestal cranes are erected properly
WAC 296-831-41015	Make sure tower, portal and pedestal crane supports are safe
WAC 296-831-41020	Have load rating charts for tower, portal and pedestal cranes available
WAC 296-831-41025	Provide safe access to tower, portal and pedestal cranes
WAC 296-831-41030	Keep tower, portal and pedestal brakes in safe operating condition
WAC 296-831-41035	Provide two-blocking protection on tower, portal and pedestal cranes
WAC 296-831-41040	Make sure electrical equipment on tower, portal and pedestal cranes is safe
WAC 296-831-41045	Mark operating controls on tower, portal and pedestal cranes
WAC 296-831-41050	Use lifting magnets properly
WAC 296-831-41055	Equip traveling cranes properly
WAC 296-831-41060	Provide fire extinguishers for tower, portal and pedestal cranes
WAC 296-831-41065	Store personal and work materials properly on tower, portal and pedestal cranes
WAC 296-831-420	Hoisting equipment for tower, portal and pedestal cranes
WAC 296-831-42005	Use and maintain sheaves on tower, portal and pedestal cranes properly
WAC 296-831-42010	Follow these requirements when using hoisting ropes on tower, portal and pedestal cranes
WAC 296-831-42015	Use reeving accessories on tower, portal and pedestal cranes correctly
WAC 296-831-42020	Use hooks on tower, portal and pedestal cranes correctly
WAC 296-831-430	Inspections, Maintenance, and Testing of Tower, Portal and Pedestal Cranes
WAC 296-831-43005	Perform initial inspections on tower, portal and pedestal cranes
WAC 296-831-43010	Perform frequent inspections on tower, portal and pedestal cranes
WAC 296-831-43015	Perform periodic inspections on tower, portal and pedestal cranes
WAC 296-831-43020	Inspect wire rope for tower, portal and pedestal cranes regularly
WAC 296-831-43025	Replace wire rope for tower, portal and pedestal cranes as required
WAC 296-831-43030	Maintain and store wire rope for tower, portal and pedestal cranes safely
WAC 296-831-43035	Refuel tower, portal and pedestal cranes properly

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WAC 296-831-43040	Establish and follow safe maintenance and repair procedures for tower, portal and pedestal cranes
WAC 296-831-43045	Repair or replace hooks on tower, portal and pedestal cranes as required
WAC 296-831-43050	Perform operational tests on tower, portal and pedestal cranes
WAC 296-831-43055	Test supports on newly installed tower, portal and pedestal cranes
WAC 296-831-43060	Perform necessary load tests on repaired, modified or altered cranes
WAC 296-831-440	Operating tower, portal and pedestal cranes
WAC 296-831-43005	Allow tower, portal and pedestal cranes to be operated only by specific people
WAC 296-831-43010	Attach the load to the tower, portal or pedestal crane correctly
WAC 296-831-43015	Operate tower, portal and pedestal cranes safely
WAC 296-831-500	Derricks Introduction
WAC 296-831-510	Design and Installation Requirements for Derricks
WAC 296-831-51005	Make sure equipment meets the appropriate design and construction requirements of this rule
WAC 296-831-51010	Have load rating charts for derricks available
WAC 296-831-51015	Have radius or boom angle indicators on derricks
WAC 296-831-51020	Mark operating controls on derricks
WAC 296-831-51025	Provide fire extinguishers for derricks
WAC 296-831-51030	Store personal and work materials properly on derricks
WAC 296-831-520	Hoisting Equipment for Derricks
WAC 296-831-52005	Use and maintain sheaves on derricks properly
WAC 296-831-52010	Follow these requirements when using hoisting ropes on derricks
WAC 296-831-52015	Use reeving accessories on derricks correctly
WAC 296-831-52020	Use hooks on derricks correctly
WAC 296-831-530	Inspections, Maintenance and Testing of Derricks
WAC 296-831-53005	Perform initial inspections on derricks
WAC 296-831-53010	Perform frequent inspections on derricks
WAC 296-831-53015	Perform periodic inspections on derricks
WAC 296-831-53020	Inspect wire rope for derricks regularly
WAC 296-831-53025	Replace wire rope for derricks as required
WAC 296-831-53030	Refuel derricks properly
WAC 296-831-53035	Establish and follow safe maintenance and repair procedures for derricks
WAC 296-831-53040	Repair or replace hooks on derricks as required
WAC 296-831-53045	Perform operational tests on derricks
WAC 296-831-53050	Perform load tests on derricks
WAC 296-831-540	Operating derricks
WAC 296-831-54005	Assign a designated person to direct operations
WAC 296-831-54010	Allow derricks to be operated only by specific people

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WAC 296-831-53015	Attach the load to the derrick correctly
WAC 296-831-54020	Operate derricks safely
WAC 296-831-900	Definitions

**Repealed Sections**

WAC 296-24-235      Overhead and gantry cranes

- Title, no requirements in here.

WAC 296-24-23503      General requirements

- Moved requirements from this section to WAC 296-831-200, WAC 296-831-210, WAC 296-831-21005, WAC 296-831-21010, WAC 296-831-21015 , WAC 296-831-21020, and WAC 296-831-24005

WAC 296-24-23505      Cabs

- Moved requirements from this section to WAC 296-831-21025 and WAC 296-831-21065.

WAC 296-24-23507      Footwalks and ladders

- Moved requirements from this section to WAC 296-831-21025

WAC 296-24-23509      Stops, bumpers, rail sweeps, and guards

- Moved requirements from this section to WAC 296-831-21030, WAC 296-831-21035, and WAC 296-831-21040

WAC 296-24-23511      Brakes

- Moved requirements from this section to WAC 296-831-21005

WAC 296-24-23513      Electric equipment

- Moved requirements from this section to WAC 296-831-21045 and WAC 296-831-21050.

WAC 296-24-23515      Hoisting equipment

- Moved requirements from this section to WAC 296-831-22005, WAC 296-831-22010, WAC 296-831-22015, and WAC 296-831-22020.

WAC 296-24-23517      Warning device

- Moved requirements from this section to WAC 296-831-21060

WAC 296-24-23519      Inspection

- Moved requirements from this section to WAC 296-831-23005, WAC 296-831-23010, and WAC 296-831-23015

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WAC 296-24-23521      Testing

- Moved requirements from this section to WAC 296-831-23055

WAC 296-24-23523      Maintenance

- Moved requirements from this section to WAC 296-831-23040

WAC 296-24-23525      Rope inspection

- Moved requirements from this section to WAC 296-831-23020 and WAC 296-831-23025.

WAC 296-24-23527      Handling the load

- Moved requirements from this section to WAC 296-831-24010 and WAC 296-831-24015.

WAC 296-24-23529      Operators

- Moved requirements from this section to WAC 296-831-24005

WAC 296-24-23531      Other requirements-General

- Moved requirements from this section to WAC 296-831-21065 and WAC 296-831-21070.

WAC 296-24-240      Crawler locomotive and truck cranes

- Title; no requirements in here

WAC 296-24-24003      General requirements

- Moved requirements from this section to WAC 296-831-310 and WAC 296-831-31005.

WAC 296-24-24005      Load ratings

- Moved requirements from this section to WAC 296-831-31010, WAC 296-831-32020, and WAC 296-831-33005.

WAC 296-24-24007      Inspection classification

- Moved requirements from this section to WAC 296-831-33010 and WAC 296-831-33015

WAC 296-24-24009      Testing

- Moved requirements from this section to WAC 296-831-33050

WAC 296-24-24011      Maintenance procedure

- Moved requirements from this section to WAC 296-831-33010, WAC 296-831-33015, and WAC 296-831-33040

WAC 296-24-24013      Rope inspection

- Moved requirements from this section to WAC 296-831-33020 and WAC 296-831-33025

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WAC 296-24-24015      Handling the load

- Moved requirements from this section to WAC 296-831-34015, WAC 296-831-33020, and WAC 296-831-33025

WAC 296-24-24017      Other requirements

- Moved requirements from this section to WAC 296-831-34015, WAC 296-831-31025, WAC 296-831-31030, and WAC 296-831-33035.

WAC 296-24-24019      Operating near overhead electric power lines

- Requirements from this section are found in WAC 296-24 Part L.

WAC 296-24-245      Derricks

- Title, no requirements in here

WAC 296-24-24503      General requirements

- Moved requirements from this section to WAC 296-831-51005 and WAC 296-831-54010

WAC 296-24-24505      Load ratings

- Moved requirements from this section to WAC 296-831-51010

WAC 296-24-24507      Inspection

- Moved requirements from this section to WAC 296-831-53005, WAC 296-831-53010, and WAC 296-831-53015

WAC 296-24-24509      Testing

- Moved requirements from this section to WAC 296-831-53045 and WAC 296-831-53050

WAC 296-24-24511      Maintenance

- Moved requirements from this section to WAC 296-831-53005, WAC 296-831-53010, and WAC 296-831-53035

WAC 296-24-24513      Rope inspection

- Moved requirements from this section to WAC 296-831-53020 and WAC 296-831-53025.

WAC 296-24-24515      Operations of derricks

- Moved requirements from this section to WAC 296-831-54005

WAC 296-24-24517      Handling the load

- Moved requirements from this section to WAC 296-831-54015 and WAC 296-831-54020

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WAC 296-24-24519      Other requirements

- Moved requirements from this section to WAC 296-831-52015, WAC 296-831-52020, WAC 296-831-51025, WAC 296-831-51030, and WAC 296-831-53030